

**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Commissioner of Patents:  
Please record the attached document:

1. Name and address of conveying party:

Name: Paul A. Kittle  
Address: 1333 S. Concord Rd.  
West Chester, PA

2. Name and address of receiving party:

Name: Lam Research Corporation  
Address: 4650 Cushing Parkway  
Fremont, CA 94538-6470

3. Nature of Conveyance

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other _____	<input type="checkbox"/>	License Agreement

Execution Date: January 21, 2007

4. Patent Number: 6,296,715

The title of the application is:

Surface Treatment of Semiconductor Substrates

5. Please send all correspondence concerning this document to:

Jeffrey J. Brooks  
Lam Research Corporation  
4650 Cushing Parkway, CA-1  
Fremont, CA 94538  
**Customer Number 27787**  
Tel. No. (510) 572-5452  
Fax No. (510) 572-2876

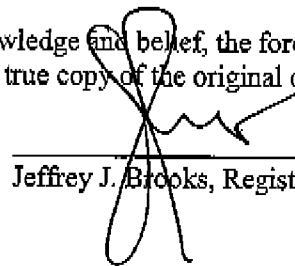
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Please charge Deposit Account No. 50-1842 (Order No. P1554C).  
 Any deficiency is authorized to be charged to Deposit Account No. 50-1842 (Order No. P1554C).

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: March 19, 2007

  
\_\_\_\_\_  
Jeffrey J. Brooks, Registration No. 35,834

Docket No. P1554C

700316815

**PATENT  
REEL: 019055 FRAME: 0843**

**EXHIBIT A**

**LIST OF KITTLE PATENTS**

**U.S. Patents:**

Patent #	Title
6,797,071	Surface treatment of semiconductor substrates
6,439,247	Surface treatment of semiconductor substrates
6,296,715	Surface treatment of semiconductor substrates
6,090,217	Surface treatment of semiconductor substrates

**Patent Applications:**

Patent Application #	Title
<Paul Kittle to provide, if applicable>	

**Foreign Patents**

Patent #	Date
TW 429171 B	4/11/2001

**Foreign Applications**

Patent Application #	Date
EP 1173293 A1	1/23/2002
WO 0033980 A1	6/15/2000

*# AIL  
012107*

**EXHIBIT B**  
**ASSIGNMENT OF INTELLECTUAL PROPERTY**

THIS PATENT ASSIGNMENT (the "Assignment") is entered into as of June 28, 2006, by Paul A. Kittle, an individual residing at 1333 S. Concord Rd, West Chester, Pennsylvania ("Assignor") and Lam Research Corporation, a Delaware Corporation having its principal place of business located at 4650 Cushing Parkway, Fremont, California ("Assignee").

**RECITALS**

WHEREAS, Assignor may have developed other patents, patents pending and patent applications not involving the subject of the Option and Assignment Agreement, and Assignee acknowledges that only those patents listed in Exhibit A and in the area of semiconductor substrate cleaning technology generally are within the scope and intent of this Assignment:

NOW, THEREFORE, in consideration of the foregoing and the mutual promises contained herein and other good and valuable consideration received and adequacy of which is hereby acknowledged, the parties agree as follows:

1. **Assignment.** Assignor agrees to assign and transfer and does hereby assign and transfer, to Lam Research Corporation, its successors and assigns, Assignor's right, title and interest in and to the Patents, and in and to any division, continuation or continuation-in-part of said application, and in and to any and all Letters Patent and re-issues and extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise) which have been or may be granted on any of the foregoing, to be held and enjoyed as fully and exclusively as they would have been held by Assignor, had this Assignment and transfer not been made.

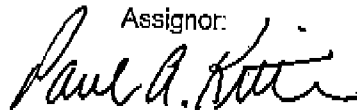
2. **Successors and Assigns.** Assignor further agrees, its successors and assigns, to execute and deliver without further consideration any further applications, assignments and documents, and to perform such other lawful acts that may be deemed necessary by Lam Research Corporation, its successors, assigns and nominees, to fully secure its interest in the Patents and to obtain and maintain Letters Patent in any and all countries.

3. **Authorization.** Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any applications arising out of the Patents to Lam Research Corporation, as the assignee of Assignor's entire interest therein.

4. **Warranty.** Assignor warrants that it has not previously conveyed or encumbered any interest in intellectual property which may be created subject to this agreement.

IN WITNESS WHEREOF, the undersigned has executed this Assignment as of the date first written above.

Assignor:



Paul A. Kittle 012107

**PATENT**